

**CALIFORNIA INFRASTRUCTURE
AND ECONOMIC
DEVELOPMENT BANK**

**SUMMIT ON WATER TECHNOLOGY &
THE CALIFORNIA DROUGHT:
LEVERAGING TECHNOLOGY TO BUILD
A DROUGHT RESILIENT CALIFORNIA**

JULY 10, 2015, SACRAMENTO



COMMERCIALIZING WATER TECHNOLOGY AND ECONOMIC DEVELOPMENT OPPORTUNITIES

1. What are the current barriers for introduction and scaling-up of new technologies?
2. What strategies have successfully supported commercialization of water technologies?
3. Who implements these strategies and what roles do water agencies and local and state governments play in these strategies?
4. What strategies should be considered to address the large disparity in the demand and cost of water in different parts of the State?
5. Are the programs and resources available from water agencies and local and state governments adequate? How can existing programs (NGOs, Universities, Incubators) play a role?

COMMERCIALIZING WATER TECHNOLOGY AND ECONOMIC DEVELOPMENT OPPORTUNITIES

6. Are there programs or incentives in other states or countries that we should be considering for California?
7. Are there programs or incentives in other industries (like power, biotech) that we should consider applying to water?
8. Does access to financing for new water technologies present any barriers? What strategies have successfully assured that a new water technology is proven before it is rolled out for purposes of financing?
9. What are lessons learned from the past that we can consider as we try to move the water industry forward in California?



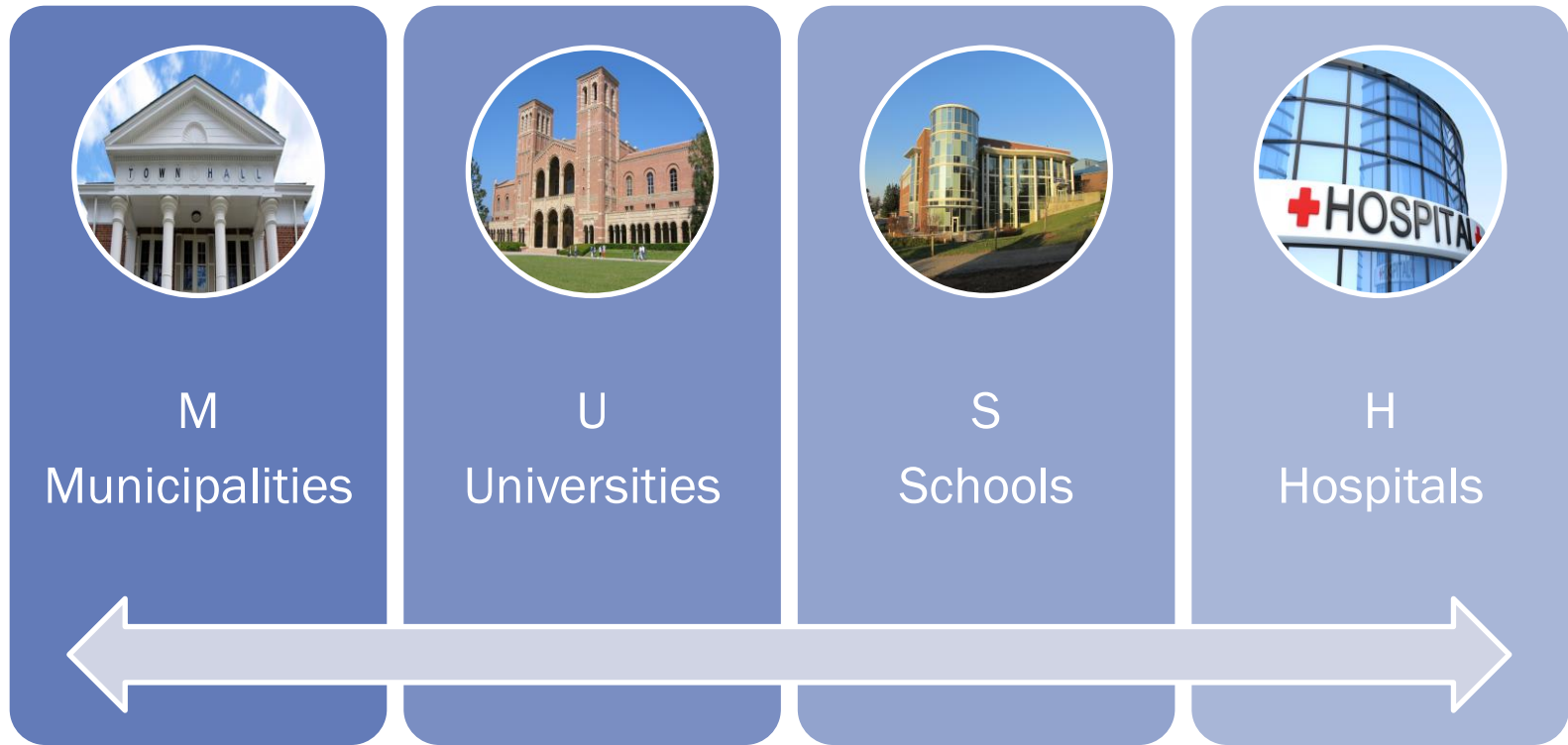
IBANK'S CLEEN CENTER

California Lending for Energy and Environmental Needs Center (CLEEN Center)

To help meet the State's Goals for:

- Greenhouse gas emissions reduction
- Water conservation
- Strategic environmental goals

PRIMARY CLEEN CENTER FOCUS: THE MUSH MARKET



ELIGIBLE “MUNICIPALITIES”

Cities

Counties

Special Districts

Assessment Districts

Joint Powers Authorities

Other State and Local
Governmental Entities

CLEEN PROJECTS (PARTIAL LIST)

- Advanced metering systems for conversion of master-metered buildings to sub-metering
- Data center, information technology, communications
- Energy management and/or control systems
- Demand response programs
- Water/wastewater, pipeline, mining/extraction, and similar end-use processes, facilities, buildings, and infrastructure
- Lighting and control systems
- Converting incandescent to CFL
- LED repairs, replacements and upgrades
- Heating, ventilation and air conditioning systems (HVAC)
- Building envelope
- Occupant plug load management systems
- Load reduction
- Thermal and electric energy storage

CLEEN CENTER FINANCING

VARIETY OF FINANCING MECHANISMS

- Low-cost Direct Loans
- Tax Exempt Bonds
- Green Bonds



CITY OF PITTSBURG WATER TREATMENT PLANT

\$11.4million

- Construct and renovate modifications to existing plant
- Resulting in improved water quality production and reliability
- Will help City meet fire flow requirements

Ensures water distributed by the City is of the Highest Quality



CITY OF IONE'S WASTEWATER COMPLIANCE PROJECT

\$3.25 million

Funds helped Ione meet regulatory deadlines

- Avoided future non-compliance fines
- Accommodates planned growth for waste water requirements



PHELAN PIÑON HILLS COMMUNITY SERVICES DISTRICT (DISTRICT) WATER RESOURCES ACQUISITION PROJECT

\$7.5million

Funds used to:

- Purchase 157 acres
- Construct a water well
- Finance a portion of the water rights
- Will save \$16 million over the next 30 years, keeping rates low for customers

Reduces cost to purchase water to meet current demand



CLEEN CENTER APPLICATIONS TAKEN CONTINUOUSLY



Call us!

We want to give you personal attention and hear about your project.



- Call us and discuss CLEEN Projects
- IBank representative works with you throughout the process
- Applicant determines and certifies projects consistent with The State Environmental Goals and Policy Report
- Applicant resolution to certify project meets criteria and goals of the State
- Final approval by IBank Board of Directors

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FOR MORE INFORMATION:

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